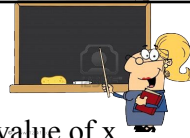
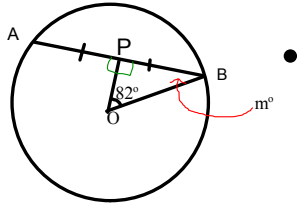


Warm Up



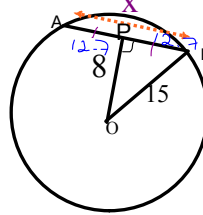
Determine the value of m , when O is the centre



$\angle BPO = 90^\circ$ (Chord P123)
 $\angle APO = 82^\circ$

$m = 8^\circ$ (SATT)
 or
 $180 - 90 - 82$

Determine the value of x , when O is the centre



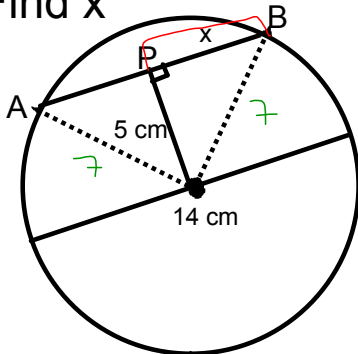
$AP = BP$ (Chord P123)

$PB \rightarrow leg$
 $a^2 = c^2 - b^2$
 $\sqrt{a^2} = \sqrt{15^2 - 8^2}$
 $a = \sqrt{161}$
 $a = 12.7$

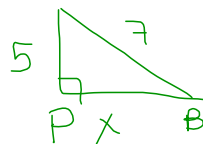
$AB = 2(12.7)$
 $= 25.4$

May 8-9:55 PM

Find x



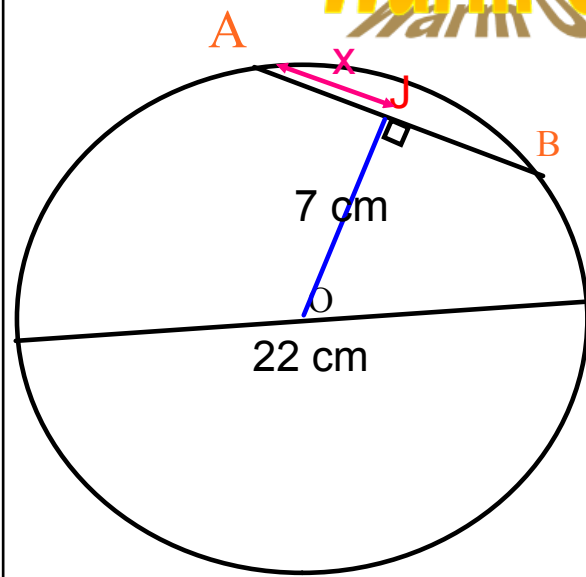
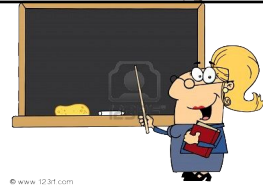
$PB = AP$ (Chord P123)



$a^2 = c^2 - b^2$
 $\sqrt{a^2} = \sqrt{7^2 - 5^2}$
 $a = \sqrt{24}$
 $a = 4.9$

May 12-8:24 AM

Warm Up

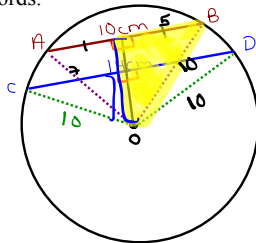


Determine the length of x

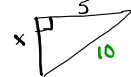
May 8-9:55 PM

EXAMPLE...

Two parallel chords, AB & CD, have lengths of 10 cm and 14 cm respectively. The diameter of the circle is 20 cm. Find the **greatest** possible distance that could separate these two chords.



(Chord P 1,23)

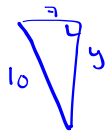


$$a^2 = c^2 - b^2$$

$$a^2 = 10^2 - 5^2$$

$$\sqrt{a^2} = \sqrt{75}$$

$$a = 8.7$$



$$a^2 = c^2 - b^2$$

$$a^2 = 10^2 - 7^2$$

$$\sqrt{a^2} = \sqrt{51}$$

$$a = 7.1$$

$$8.7 - 7.1$$

$$= 1.6$$

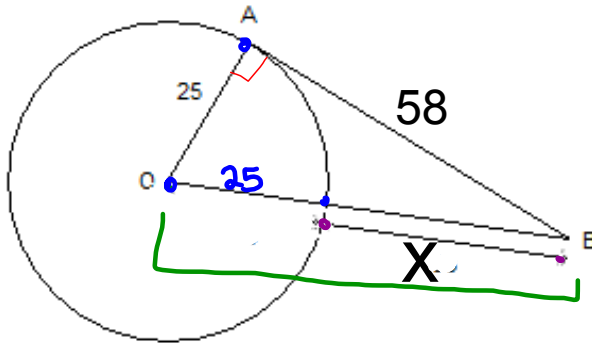
Oct 3-10:21 AM

Review for Quiz

O is the centre of this circle and point A is a point of tangency.

Determine the value of x. If necessary, give your answer to the nearest tenth.

• $\angle OAB = 90^\circ$ (Tang P)



$$c^2 = \sqrt{58^2 + 25^2}$$

$$\sqrt{c^2} = \sqrt{3989}$$

$$c = 63.1$$

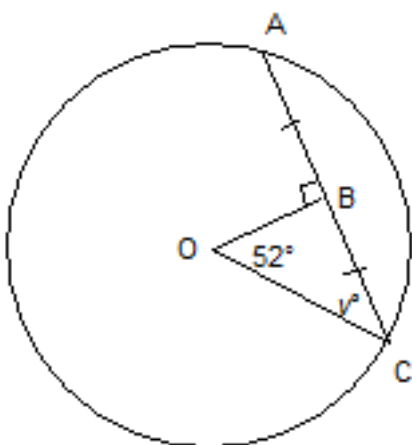
$$x = 63.1 - 25$$

$$= 38.1$$

Apr 30-7:45 AM

O is the centre of the circle.

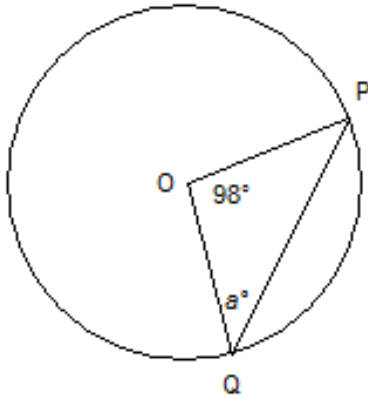
Determine the value of v° .



Apr 30-7:47 AM

O is the centre of the circle.

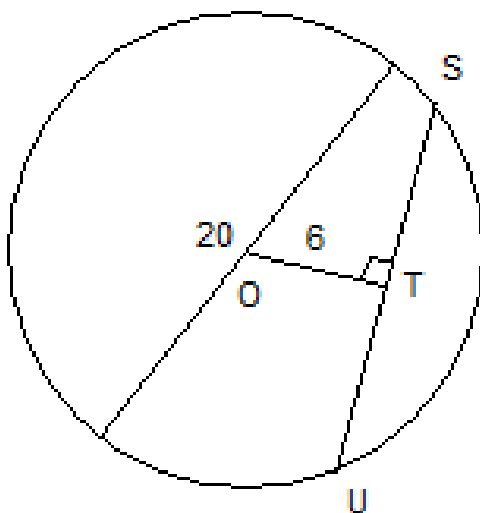
Determine the value of a° .



Apr 30-7:49 AM

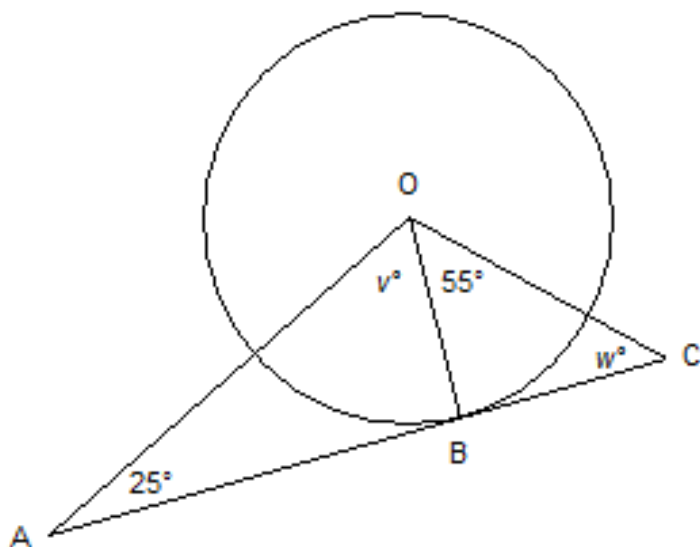
O is the centre of the circle.

Determine the value of "st" to the nearest tenth, if necessary.



Apr 30-7:50 AM

13. O is the centre of this circle and point B is a point of tangency.
Determine the values of v° and w° .



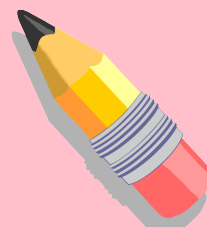
Apr 30-7:51 AM



Homework :

p. 403

- #1
- #2
- #3
- #6
- #7



May 3-2:19 PM